

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): H. OWASHI, et al

Serial No.: Not yet assigned

Filed: February 23, 2004

For: METHOD AND APPARATUS FOR RECEIVING A DIGITAL
SIGNAL AND APPARATUS FOR RECORDING AND
REPRODUCING THE DIGITAL SIGNAL

Group: 2615

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97 & 1.98**

MS DD

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 23, 2004

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).

"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."


Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 09/893,983, filed June 29,

2001; Serial No. 09/479,074, filed January 7, 2000, now U.S. Patent No. 6,321,025; Serial No. 08/637,101, now U.S. Patent No. 6,163,644.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (500.34521CC3) please credit any excess fees to such deposit account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Carl I. Brundidge', is written over a horizontal line.

Carl I. Brundidge
Registration No. 29,621
ANTONELLI, TERRY, STOUT & KRAUS, LLP

CIB/jdc
(703) 312-6600

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 500.34521CC3	SERIAL NO. Not yet assigned
	APPLICANT H. OWASHI, et al	
	FILING DATE February 23, 2004	GROUP 2615

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	6	8	6	9	5	4		11/97	Yoshinobu et al			
	6	1	6	3	6	4	4		12/00	Owashi et al	386	46	
	6	3	2	1	0	2	5		11/01	Owashi et al	386	83	
	5	5	5	5	4	4	1		9/10/96	Haddad	725	93	8/2/94
	5	8	7	8	1	8	8		3/02/99	Amanda et al.	386	101	6/7/94
	6	0	4	1	1	6	1		3/00	Oakamoto et al	386	112	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		YES	NO											
	0	6	4	8	0	5	0	A 2	4/95	European			XX	
	4	2	0	1	0	3	1	C 2	7/93	Germany				XX
	0	7	1	0	7	4	4	8	4/95	Japan			XX	
	0	6	3	0	3	5	4	3	10/94	Japan			XX	
	0	5	2	0	7	3	8	7	8/93	Japan			XX	
	8	1	0	2	9	2	2		4/96	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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	5 8 7 8 0 1 0	3/99	Oakamoto et al	369	59	8/15/95
	5 2 2 4 0 8 7	6/93	Maeda et al	369	54	
	4 9 4 5 5 6 3	7/90	Horton et al	380	5	
	4 9 9 1 2 0 8	2/91	Walker et al	380	20	
	5 0 4 6 0 9 2	9/91	Walker et al	380	20	
	5 1 3 4 4 9 6	7/92	Schwab et al	380	5X	
	5 4 1 8 8 5 3	5/95	Kanota et al	380	5	
	5 4 9 7 4 2 0	3/96	Garneau	380	20	
	5 5 5 5 3 0 8	9/96	Levien	380	20	
	5 7 1 9 9 4 3	2/98	Amada et al	380	49	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 6 3 2 4 4 5	1/95	Europe			
9 6 0 4 7 5 3	2/96	WIPO			
5 1 7 4 4 9 6	7/93	Japan			
0 3 3 8 8 6 6	10/89	Europe			
0 4 5 0 8 4 1	10/91	Europe			
0 5 0 6 4 3 5	9/92	Europe			

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	"Data Compression and Digital Modulation", Nikkei BP, pp. 137-150.
	Transactions The Institute of Television Engineers of Japan, vol. 46, No. 1, pp. 31-39, 1992.
	Little, et al "A Digital on-Demand Video Service Supporting Content-Based Queries", ACM Multimedia 93, pp. 427-436, Jul. 1993.

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	5 9 0 3 7 0 4	5/99	Owashi et al	386	95	
	3 7 7 3 9 7 9	11/73	Kirk, Jr. et al	348	724	
	4 5 9 1 9 2 4	5/86	Miura et al	358	330	
	4 8 0 7 0 5 5	2/89	Tsunoda et al	386	104	
	5 2 8 9 2 8 8	2/94	Silverman et al	386	97	
	5 3 1 3 3 4 2	5/94	Soda et al	360	63	
	5 3 1 9 5 0 1	6/94	Mitsubishi	386	101	
	5 3 5 9 4 2 8	10/94	Kubata et al	386	33	
	5 4 3 8 4 6 3	8/95	Nishiumi et al	386	96	
	5 5 1 9 5 4 4	5/96	Hara	386	96	
	5 5 4 8 4 1 0	8/96	Kim et al	386	104	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 5 8 9 4 5 9	3/94	European			
0 6 0 6 1 8 0	94	European			
4 2 1 9 6 1 3	92	Japan			
5 2 0 7 5 0 7	8/93	Japan			
0 6 1 8 6 9 5	10/94	European			
0 5 7 7 3 2 9	1/94	European			

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Chao, "Asynchronous Transfer Mode Packet Video Transmission System", Optical Engineering, vol. 28, No. 7, July 1989, pp. 781-788.
Riemann, "DER MPEG-2-Standard, vol. 48, No. 10, Oct. 1994, pp. 545-550.
International Organization for Standardization Organization Internationale De Normalization ISO/IEC JTC/SC29/WG11 coding of Moving Pictures and Associated Audio, March 1992, pp. 35-39.

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	5 5 7 2 2 3 3	11/96	Yu	386	95	
	4 7 0 6 1 2 1	11/87	Young	358	142	
	4 9 7 7 4 5 5	12/90	Young	358	142	
	5 1 5 1 7 8 9	9/92	Young	358	194.1	
	5 4 7 9 2 6 8	12/95	Young et al	358	335	
	4 7 5 1 5 7 8	6/88	Reiter et al	358	183	
	4 9 0 8 7 1 3	3/90	Levine	358	335	
	4 9 6 3 9 9 4	10/90	Levine	358	335	
	5 5 0 8 8 1 5	4/96	Levine	358	335	
	5 5 6 8 2 7 2	10/96	Levine	386	48	
	4 6 9 4 4 9 0	9/87	Harvey	380	20	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
	0 4 8 9 3 7 5	6/92	Europe				
	0 6 6 1 8 7 6	7/95	Europe				
	4 3 6 0 0 6 8	12/92	Japan				

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	Patent Abstract Japan, vol. 145, No. 66 (P-1003), 7 Feb. 1990 & KP 01 287857 A (Victor Company of Japan), 20 Nov. 1989 Abstract.
	Patent Abstract of Japan, vol. 12, No. 486 (E-695), 19 Dec. 1988 & JP 63 202286 A (Matsushita Electric Industrial) 22 Aug. 1988.
	Notification of European Publication Number and Information on the Application of Article 67(3) EPC and European Search Report dtd 1/15/99.

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	4 9 6 5 8 2 5	10/90	Harvey	380	9	
	5 1 0 9 4 1 4	4/92	Harvey	380	9	
	5 2 3 3 6 5 4	8/93	Harvey	380	20	
	5 0 3 8 2 1 1	8/91	Hallenback	358	142	
	5 2 9 3 3 5 7	3/94	Hallenback	348	734	
	5 5 9 6 5 8 1	1/97	Saeijis et al	386	104	
	5 4 3 2 6 4 6	6/95	Nakamura et al	386	104	
	4 6 3 1 6 0 3	12/86	Ryan	360	37.1	
	4 4 9 9 5 6 8	2/85	Gremillet	369	30	
	5 5 6 8 4 0 3	10/96	Deiss et al	364	514	

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 5 6 5 3 0 5	4/93	Europe			
0 7 1 0 0 2 1	5/96	Europe			
9 4 1 8 7 7 6	8/94	PCT			

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	Grand Alliance HDTV System Specification (Draft Document) Submitted to the ACATS Technical Subgroup dated Feb. 22, 1994.
	M. Harada, "5-3 Future View of CATV", Journal of the Institute of Television Engineers of Japan, vol. 47, No. 4; 1993, pp. 494-499.

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	5 4 4 2 3 9 0	8/95	Hooper et al	358	86	
	5 5 6 5 9 2 4	10/96	Haskell et al	348	423	
	5 5 3 7 4 0 8	7/96	Branstad et al	370	79	
	5 4 7 7 3 9 6	12/95	Fukami et al	360	10.3	
	5 0 6 5 2 5 9	11/91	Kubota et al	386	7	
	5 5 7 2 3 3 3	11/96	Moriyama et al	386	98	
	5 8 1 5 6 3 4	9/98	Daum et al	386	96	
	5 5 4 1 7 3 8	7/96	Mankovitz	386	83	
	5 3 7 7 0 5 1	12/94	Lane et al	386	68	
	5 5 6 6 1 7 4	10/96	Sato et al	348	423	
	5 5 0 2 5 7 3	3/96	Fujinami	386	98	

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
4 3 3 5 2 7 1	5/94	German			
9 1 0 2 4 1 9	2/91	PCT			
9 5 2 7 9 7 7	10/95	PCT			
0 6 2 4 9 8 3	5/94	European			
0 6 0 2 8 9 7	12/93	European			
0 6 6 8 6 9 7	8/95	European			

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	5 6 6 8 9 1 5	9/97	Baik et al	386	46	
	5 4 8 8 4 0 9	1/96	Yuen et al	386	83	
	5 5 2 6 1 2 7	6/96	Yonetani et al	386	83	
	5 6 1 9 3 3 7	4/97	Naimpally	386	83	
	5 5 3 5 2 1 6	7/96	Goldman et al	348	423	
	5 4 6 7 3 4 2	11/95	Logston et al	370	17	
	5 4 8 8 4 0 9	1/96	Yuen et al	386	83	
	5 9 3 0 4 4 9	7/99	Hwang	386	83	
	5 5 2 6 1 3 0	6/96	Kim	360	69	
	5 9 0 5 8 4 4	5/99	Kimura et al	386	83	
	5 5 0 2 4 9 7	3/96	Yamaashi et al	348	473	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
1 2 0 9 3 9 9	8/89	Japan			XX
1 3 0 7 9 4 4	12/89	Japan			XX

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